

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

rKCR1
hKCR1

TMS1
MAQLEGYFSAALSCTFLVSCLLFSAFSAALREPYMDEIFHLPQAQRYCEGRFSLSQWDPMITPLPGLYL
-----C-----H-----
.....

TMS2
VSVGWVKPASWILGWSEHVVCISIGMLRFVHLLFSVGNFYLLYLLFRKIQRNKASSIQRILSTLTAVF
-----I-F-----H-V-----A-----V-----
.....

TMS3
PTLYFFNFLYYTEAGSVFFTLFAYLMCLYGNHRTSALLGFCGFMFRQTNIWAAFCAAGHIIAQKCSEAWK
-----M-----K-----F-----V-----NV-----LT-----
**

TMS4
TELQKKKEERLPPAKGPLSELRRVLQFLLMYSMSLKNLSMLFLLTWPYMLLLLAFFVFFVNVNGGIVVGDR
-----D-----I-----FA-F-----A-----C-----I-----GFL-CA-----I-----
TMS7

TMS5
SSHEACLHFPQLFYFFSFTAFSFPPLLSPPTKVKTFLSLVWKRVRQFSVITLVSFVLVWKFTYVHKYLLA
-----L-----L-----S-I-----HGIL-L-V-----A-----
TMS8

TMS6
DNRHYTFYVWKRVFQRHEIVKYLLVPAYMFAGWAVADSLKSKSIFWNLMFFVCLVASTVPQKLLLEFRYFI
-----A-L-----I-----SI-----P-----I-----FIVI-----
TMS10

TMS9
LPYIIYRLNMPLPPI SRLVCELGCYAVVNFLTFFYIFLNKTFQWSDSHDIQRFMW
-----V-----IT-----T-----S-----I-----I-----PN-Q-----
TMS11

TMS12

FIG. 1A

Title: Human KCR1 Regulation of Herg Potassium Channel

Applicant(s): Balser, et al.
Serial No.: 10/000,151

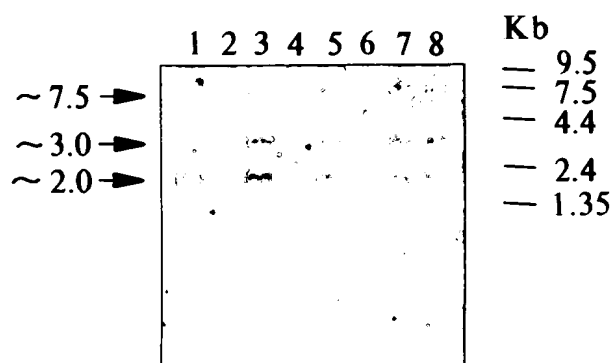


FIG. 1B

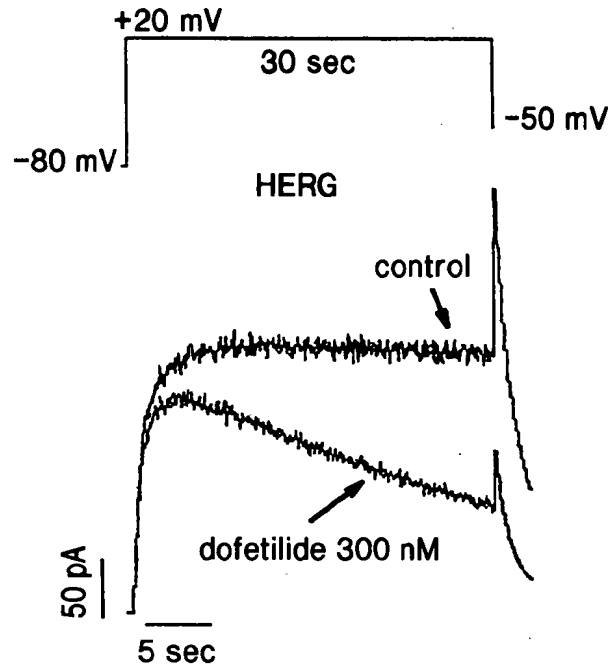


FIG. 2A

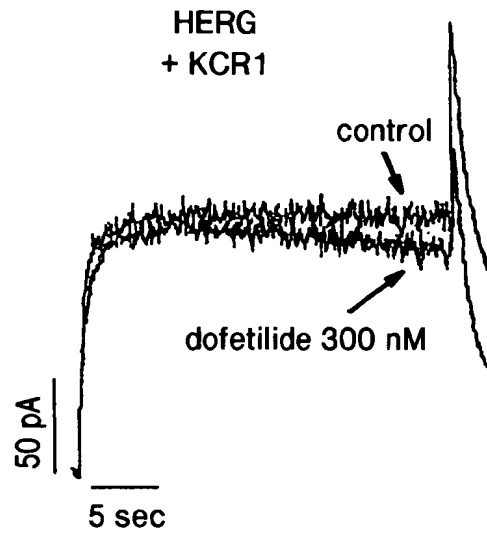


FIG. 2B

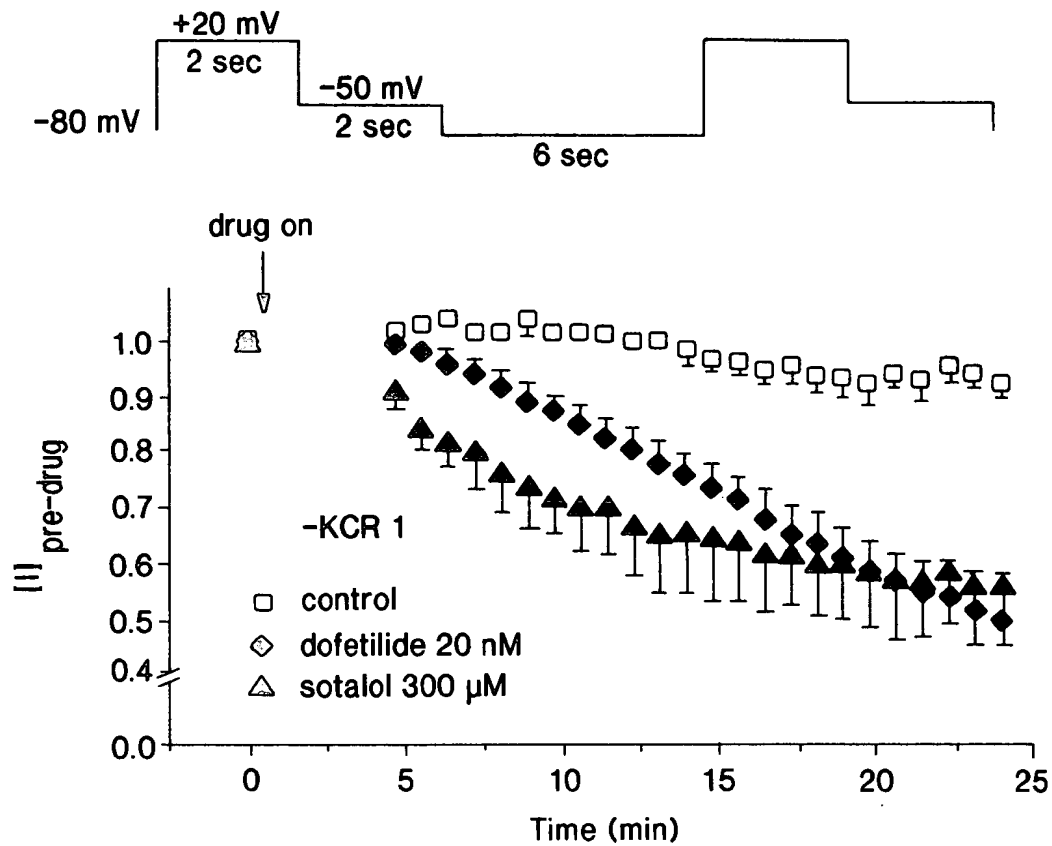


FIG. 3A

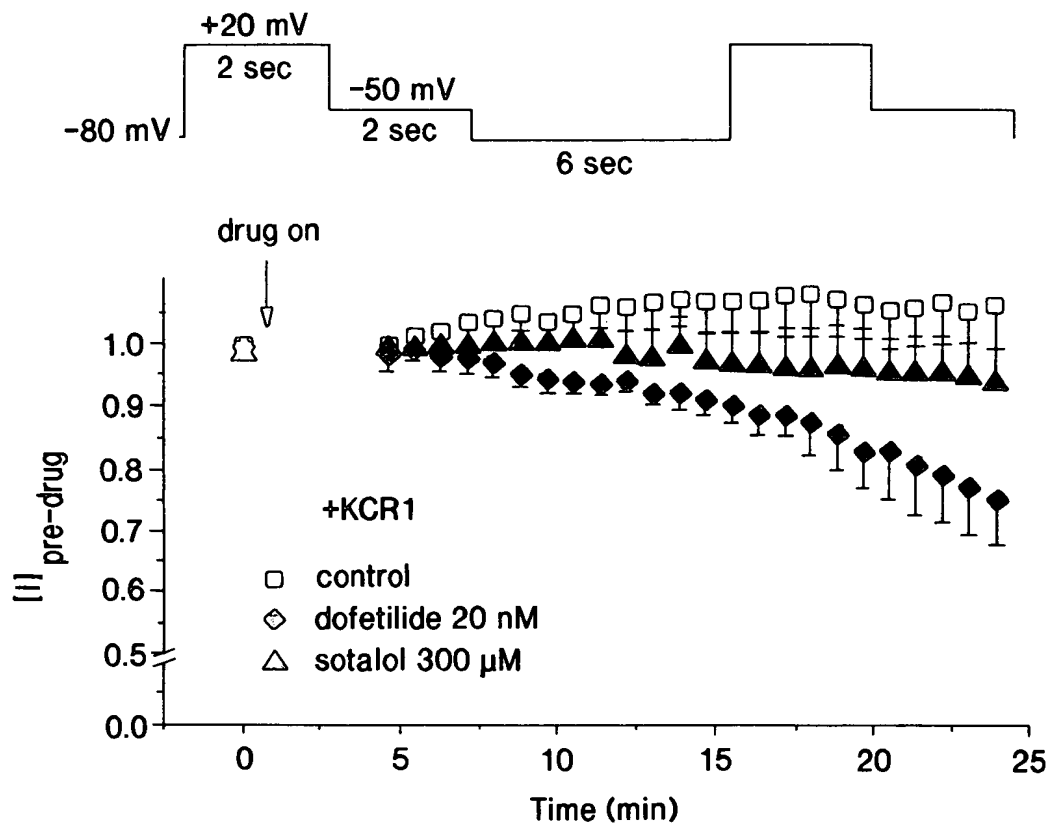


FIG. 3B

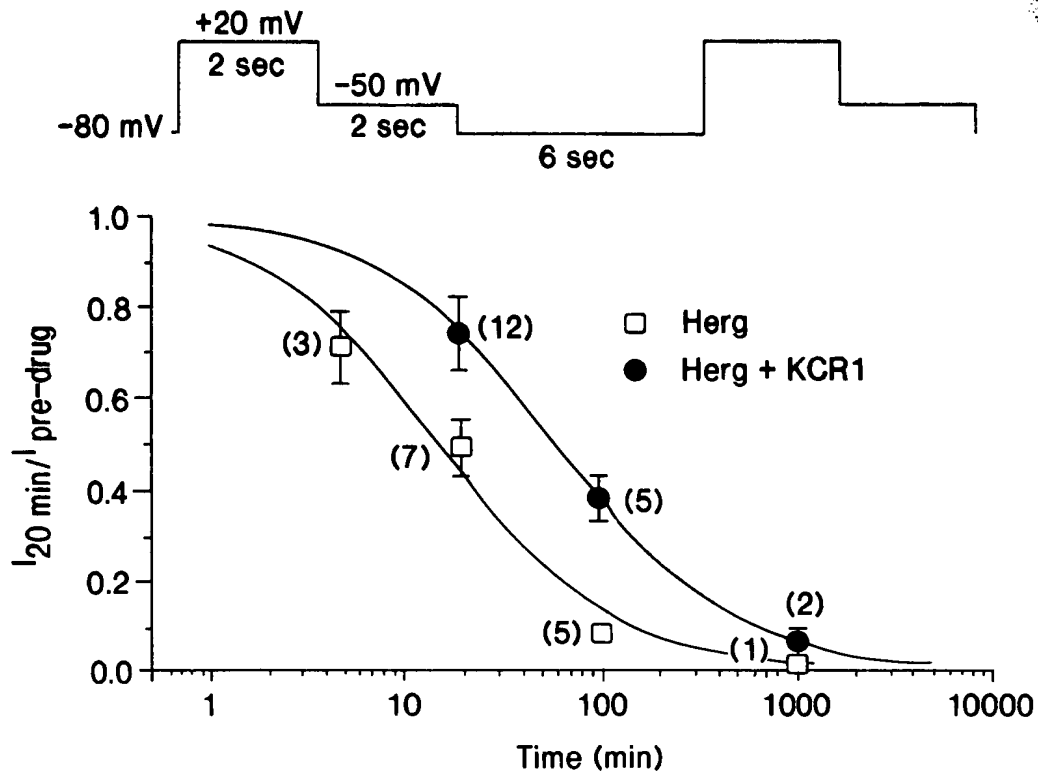


FIG. 3C

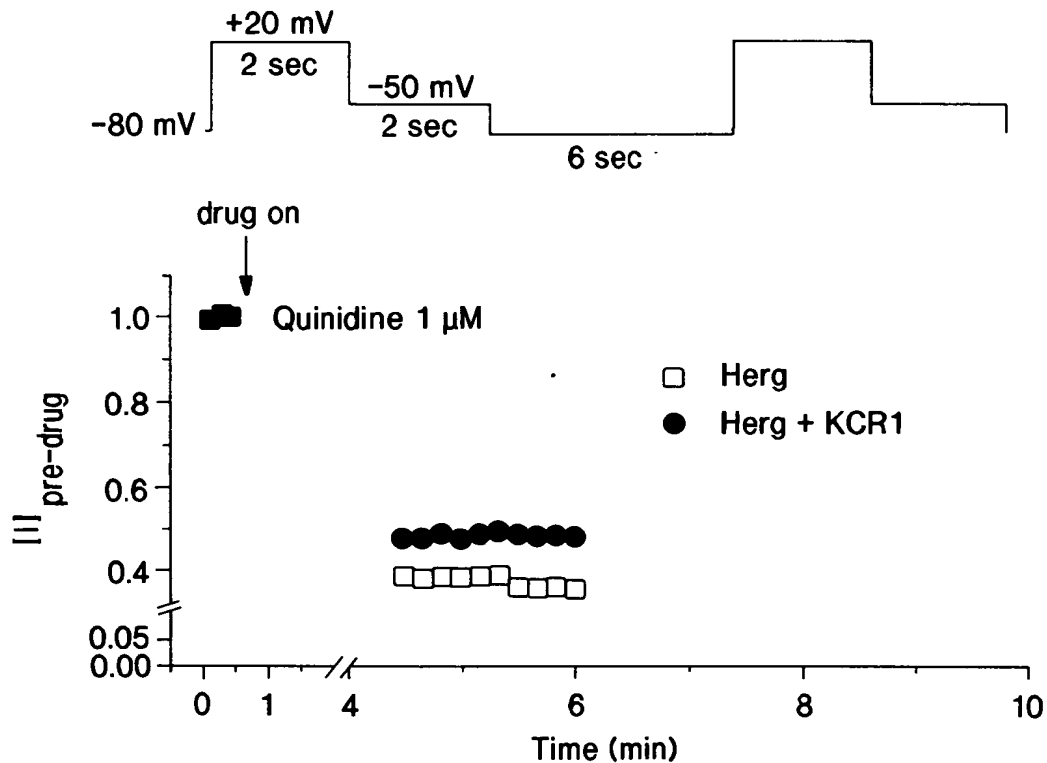


FIG. 3D

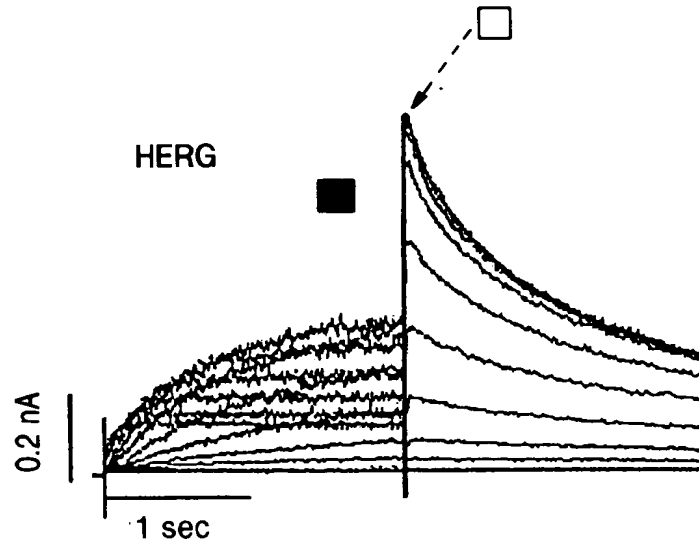


FIG. 4A

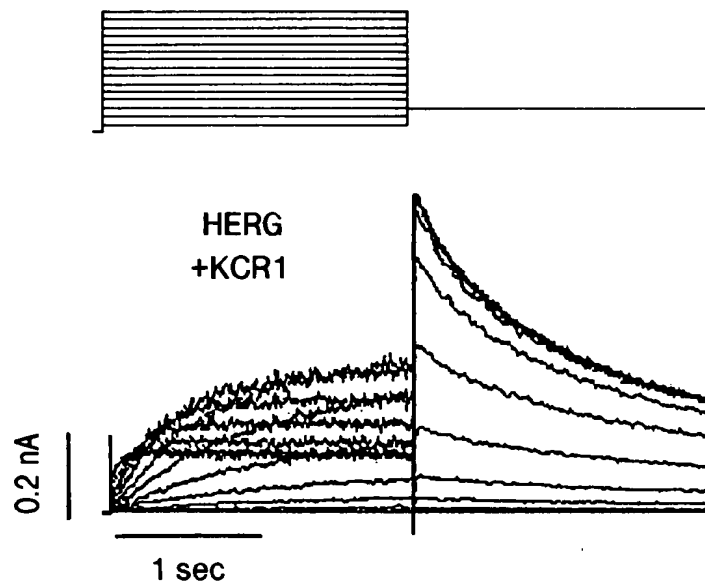


FIG. 4B

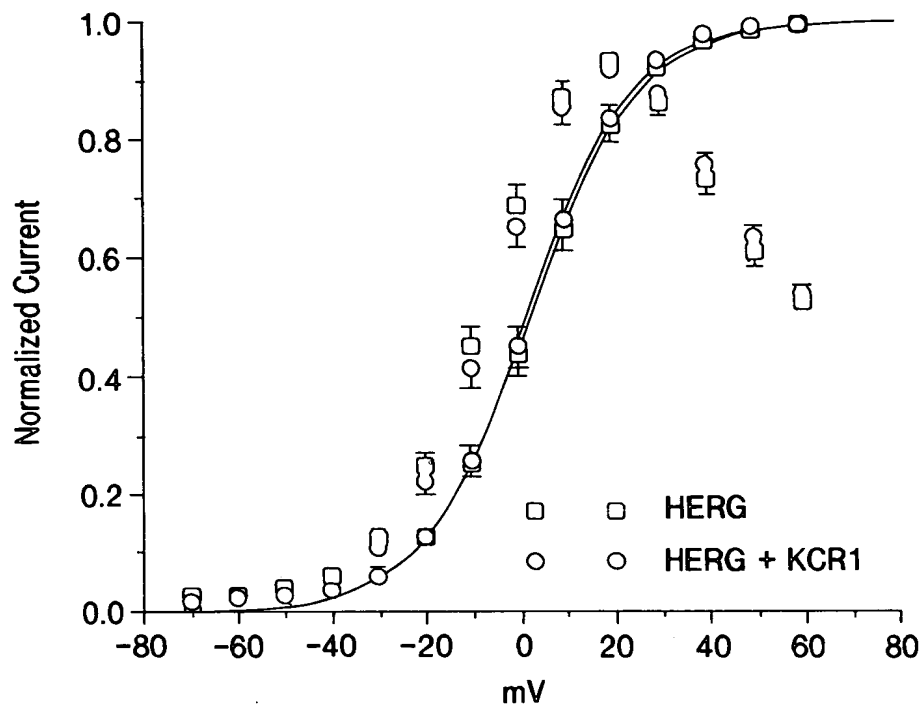


FIG. 4C

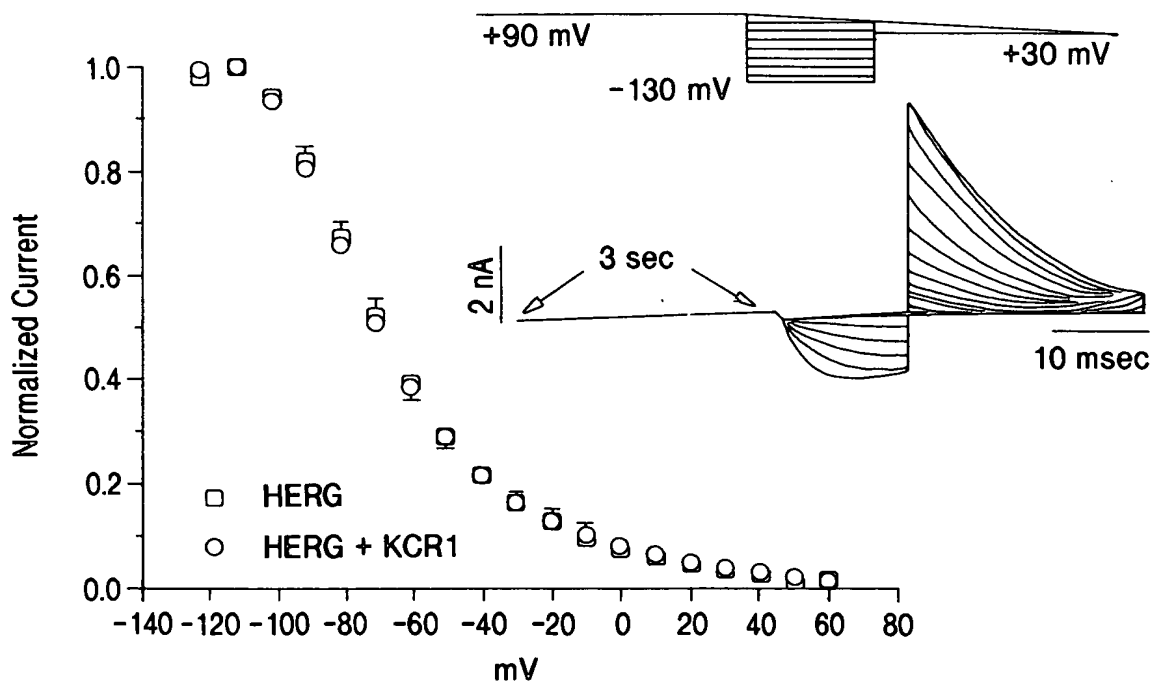


FIG. 4D

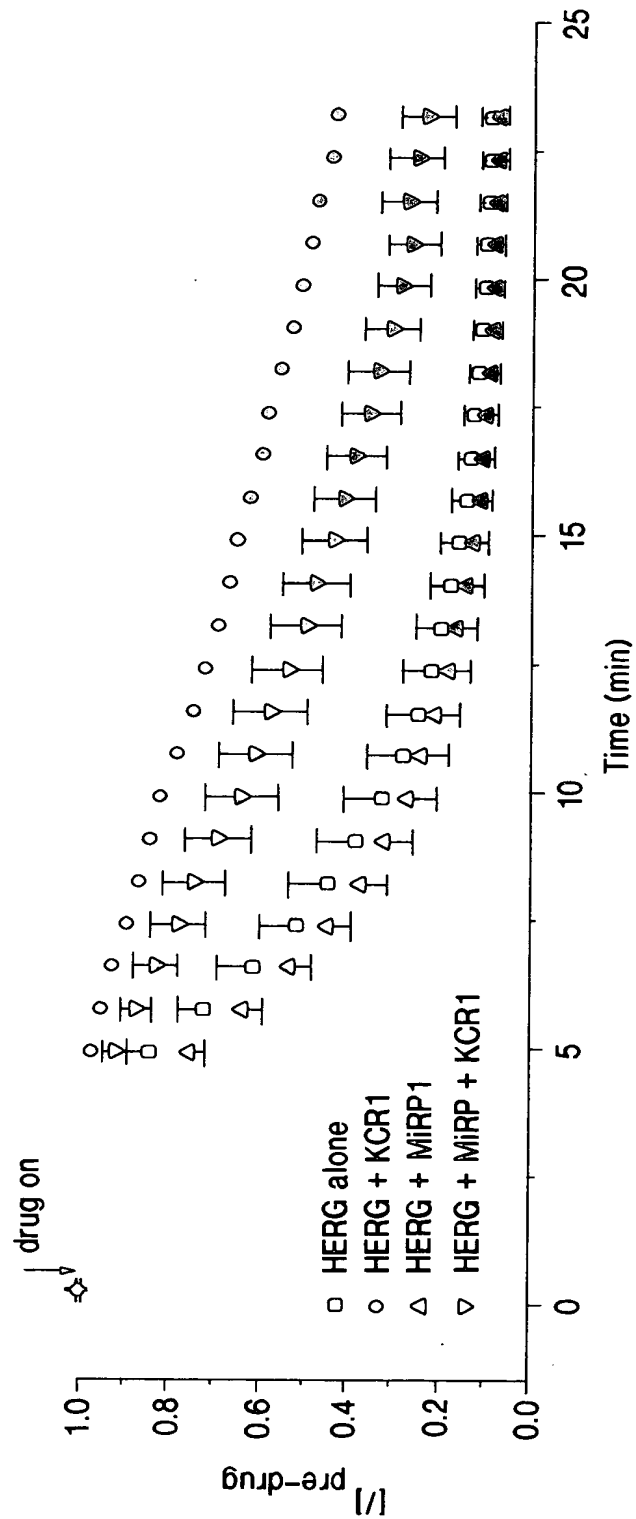


FIG. 5A

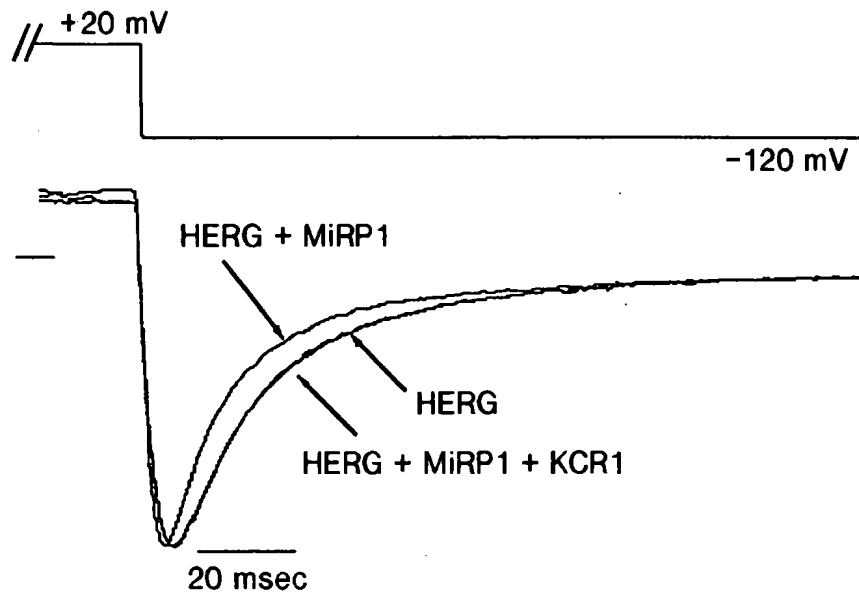


FIG. 5B

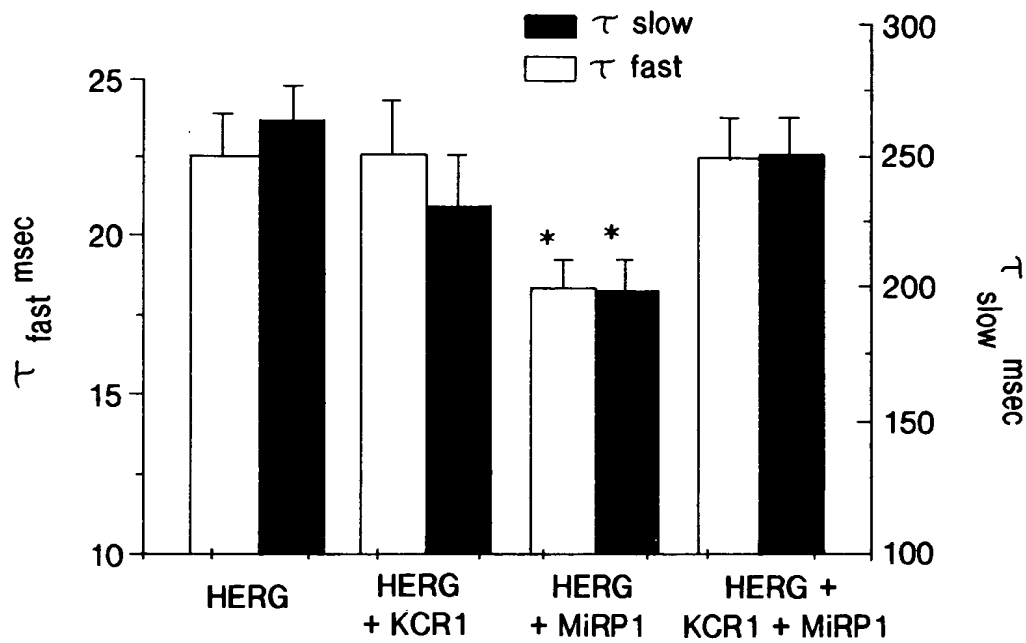


FIG. 5C